

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

- ☐ DECLARATION SUBMITTED WITH INITIAL FILING
☒ DECLARATION SUBMITTED AFTER INITIAL FILING

Attorney docket number: 331D US
First Named Inventor: Schreiber, Stuart L.

Application No: 09/430,508
Filing Date: October 29, 1999
Group Art Unit:
Examiner Name:

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am one of the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events, the specification of which

[] is attached hereto.

[X] was filed on October 29, 1999 as Application Serial No. 09/430,508
and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR 1.56(a).

I hereby claim foreign priority benefits under Title 35, USC 119 or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

<u>Number</u>	<u>Country</u>	<u>Foreign Filing Date</u>	<u>Priority Claimed</u>
<u>PCT/US95/14177</u>	<u>PCT</u>	<u>November 1, 1995</u>	<u>yes</u>

I hereby claim the benefit under Title 35, USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, USC 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Appln. Ser. No.</u>	<u>Filing Date</u>	<u>Status</u>
<u>09/087,716</u>	<u>May 29, 1998</u>	<u>pending</u>
<u>08/388,653</u>	<u>February 14, 1995</u>	<u>issued (US 5,869,337)</u>
<u>08/196,043</u>	<u>February 11, 1994</u>	<u>withdrawn from issue</u>
<u>08/179,748</u>	<u>January 7, 1994</u>	<u>abandoned</u>
<u>08/092,977</u>	<u>July 16, 1993</u>	<u>abandoned</u>
<u>08/017,931</u>	<u>February 12, 1993</u>	<u>abandoned</u>

08/973,337	November 18, 1997	pending
08/332,995	November 1, 1994	abandoned
08/400,800	March 7, 1995	abandoned
08/480,286	June 7, 1995	abandoned

As a named inventor, I hereby appoint the following registered patent attorney and agent to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

David L. Bernstein, Registration No. 31,235
Sharon F. Hausdorff, Registration No. 43,664

ARIAD Pharmaceuticals, Inc.
26 Landsdowne Street
Cambridge, Massachusetts 02139-4234
Telephone: 617-494-0400 Ext. 266 / Facsimile: 617-494-0208

Direct all correspondence to:

David L. Bernstein, Registration No. 31,235
ARIAD Pharmaceuticals, Inc.
26 Landsdowne Street
Cambridge, Massachusetts 02139-4234
Telephone: 617-494-0400 Ext. 266 / Facsimile: 617-494-0208

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Stuart L. Schreiber

Inventor's signature  Date 1-4-00

Residence 434 Marlborough Street, Boston, MA 02115 USA
Post Office Address Same
Citizenship US

Full name of second inventor Gerald R. Crabtree

Inventor's signature _____ Date _____

Residence 7 Durham Road, Woodside, CA 94602 USA
Post Office Address Same
Citizenship US

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

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Attorney docket number: 331D US
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Application No: 09/430,508
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I believe I am one of the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events, the specification of which

[] is attached hereto.
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Prior Foreign Application(s)

<u>Number</u>	<u>Country</u>	<u>Foreign Filing Date</u>	<u>Priority Claimed</u>
PCT/US95/14177	PCT	November 1, 1995	yes

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08/092,977	July 16, 1993	abandoned
08/017,931	February 12, 1993	abandoned

08/973,337	November 18, 1997	pending
08/332,995	November 1, 1994	abandoned
08/400,800	March 7, 1995	abandoned
08/480,286	June 7, 1995	abandoned

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Sharon F. Hausdorff, Registration No. 43,664

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Full name of sole or first inventor Stuart L. Schreiber

Inventor's signature _____ Date _____

Residence 434 Marlborough Street, Boston, MA 02115 USA

Post Office Address Same

Citizenship US

Full name of second inventor Gerald R. Crabtree

Inventor's signature  Date 12/16/99

Residence 7 Durham Road, Woodside, CA 94602 USA

Post Office Address Same

Citizenship US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Schreiber & Crabtree

Serial No.: 09/430,508

Filed: 29 October 1999

Title: *Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events*

Atty Docket No.: **331-D**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(d))--NONPROFIT ORGANIZATION**

I HEREBY DECLARE THAT I AM AN OFFICIAL EMPOWERED TO ACT ON BEHALF OF THE NONPROFIT ORGANIZATION, A UNIVERSITY, IDENTIFIED BELOW:

Name of Nonprofit Organization: **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**
Address of Nonprofit Organization: **17 QUINCY STREET, CAMBRIDGE, MA 02138**

I HEREBY DECLARE THAT THE NONPROFIT ORGANIZATION IDENTIFIED ABOVE QUALIFIES AS A NONPROFIT ORGANIZATION AS DEFINED IN 37 CFR 1.9(e) FOR PURPOSES OF PAYING REDUCED FEES TO THE UNITED STATES PATENT AND TRADEMARK OFFICE REGARDING THE INVENTION IDENTIFIED ABOVE.

I HEREBY DECLARE THAT RIGHTS UNDER CONTRACT OR LAW HAVE BEEN CONVEYED TO AND REMAIN WITH THE NONPROFIT ORGANIZATION REGARDING THE ABOVE-IDENTIFIED INVENTION.

IF THE RIGHTS HELD BY THE NONPROFIT ORGANIZATION ARE NOT EXCLUSIVE, EACH INDIVIDUAL, CONCERN OR ORGANIZATION HAVING RIGHTS IN THE INVENTION IS LISTED BELOW* AND NO RIGHTS TO THE INVENTION ARE HELD BY ANY PERSON, OTHER THAN THE INVENTOR WHO WOULD NOT QUALIFY AS AN INDEPENDENT INVENTOR UNDER 37 CFR 1.9(c) IF THAT PERSON MADE THE INVENTION, OR BY ANY CONCERN WHICH WOULD NOT QUALIFY AS A SMALL BUSINESS CONCERN UNDER 37 CFR 1.9(d) OR A NONPROFIT ORGANIZATION UNDER 37 CFR 1.9(e).

*NOTE: SEPARATE VERIFIED STATEMENTS ARE REQUIRED FROM EACH NAMED PERSON, CONCERN OR ORGANIZATION HAVING RIGHTS TO THE INVENTION AVERRING TO THEIR STATUS AS SMALL ENTITIES (37 CFR 1.27)

Name Of Small Business Concern: **ARIAD Gene Therapeutics, Inc.**
Address Of Small Business Concern : **26 Landsdowne Street, Cambridge, Ma 02139**

Name of Nonprofit Organization: **Board of Trustees of Leland Stanford Jr. University**
Address of Nonprofit Organization: **17 Quincy Street, Cambridge, MA 02138 900 Welch Rd. Palo Alto CA 94304**

I ACKNOWLEDGE THE DUTY TO FILE, IN THIS APPLICATION OR PATENT, NOTIFICATION OF ANY CHANGE IN STATUS RESULTING IN LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS PRIOR TO PAYING, OR AT THE TIME OF PAYING, THE EARLIEST OF THE ISSUE FEE OR ANY MAINTENANCE FEE DUE AFTER THE DATE ON WHICH STATUS AS A SMALL ENTITY IS NO LONGER APPROPRIATE. (37 CFR 1.28(b))

I HEREBY DECLARE THAT ALL STATEMENTS MADE HEREIN OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENT WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE, AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION, ANY PATENT ISSUING THEREON, OR ANY PATENT TO WHICH THIS VERIFIED STATEMENT IS DIRECTED.

Name/Title Of Person Signing:

Joyce BRINTON, DIRECTOR

Address Of Person Signing:

OFFICE OF ~~TECHNOLOGY~~ TECHNOLOGY LICENSING

Signature

Date

11/23/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Schreiber & Crabtree

Serial No.: 09/430,508

Filed: 29 October 1999

Title: *Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events*

Atty Docket No.: 331-D

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(d))--NONPROFIT ORGANIZATION**

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I HEREBY DECLARE THAT RIGHTS UNDER CONTRACT OR LAW HAVE BEEN CONVEYED TO AND REMAIN WITH THE NONPROFIT ORGANIZATION REGARDING THE ABOVE-IDENTIFIED INVENTION.

IF THE RIGHTS HELD BY THE NONPROFIT ORGANIZATION ARE NOT EXCLUSIVE, EACH INDIVIDUAL, CONCERN OR ORGANIZATION HAVING RIGHTS IN THE INVENTION IS LISTED BELOW* AND NO RIGHTS TO THE INVENTION ARE HELD BY ANY PERSON, OTHER THAN THE INVENTOR WHO WOULD NOT QUALIFY AS AN INDEPENDENT INVENTOR UNDER 37 CFR 1.9(c) IF THAT PERSON MADE THE INVENTION, OR BY ANY CONCERN WHICH WOULD NOT QUALIFY AS A SMALL BUSINESS CONCERN UNDER 37 CFR 1.9(d) OR A NONPROFIT ORGANIZATION UNDER 37 CFR 1.9(e).

*NOTE: SEPARATE VERIFIED STATEMENTS ARE REQUIRED FROM EACH NAMED PERSON, CONCERN OR ORGANIZATION HAVING RIGHTS TO THE INVENTION AVERRING TO THEIR STATUS AS SMALL ENTITIES (37 CFR 1.27)

Name Of Small Business Concern: **ARIAD Gene Therapeutics, Inc.**
Address Of Small Business Concern : 26 Landsdowne Street, Cambridge, Ma 02139

Name of Nonprofit Organization: **President and Fellows of Harvard College**
Address of Nonprofit Organization: 17 Quincy Street, Cambridge, MA 02138

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Name/Title Of Person Signing: Mona Wan / Senior Associate

Address Of Person Signing: 900 Welch Rd. Ste 350 Palo Alto, CA 94304

Signature [Signature] Date 11/9/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Schreiber & Crabtree

Serial No.: 09/430,508

Filed: 29 October 1999

Title: *Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events*

Atty Docket No.: 331-D

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(37 CFR 1.9 & 1.27)--Small Business Concern**

I HEREBY DECLARE THAT I AM AN OFFICIAL EMPOWERED TO ACT ON BEHALF OF THE SMALL BUSINESS CONCERN IDENTIFIED BELOW:

Name Of Small Business Concern: **ARIAD Gene Therapeutics, Inc.**
Address Of Small Business Concern : 26 Landsdowne Street, Cambridge, Ma 02139

I HEREBY DECLARE THAT THE CONCERN IDENTIFIED ABOVE QUALIFIES AS A SMALL BUSINESS CONCERN AS DEFINED IN 37 CFR 1.9 FOR PURPOSES OF PAYING REDUCED FEES TO THE UNITED STATES PATENT AND TRADEMARK OFFICE REGARDING THE INVENTION IDENTIFIED ABOVE.

I HEREBY DECLARE THAT RIGHTS UNDER CONTRACT OR LAW HAVE BEEN CONVEYED TO AND REMAIN WITH THE SMALL BUSINESS CONCERN REGARDING THE ABOVE-IDENTIFIED INVENTION.

IF THE RIGHTS HELD BY THE SMALL BUSINESS CONCERN ARE NOT EXCLUSIVE, EACH INDIVIDUAL, CONCERN OR ORGANIZATION HAVING RIGHTS IN THE INVENTION IS LISTED BELOW* AND NO RIGHTS TO THE INVENTION ARE HELD BY ANY PERSON, OTHER THAN THE INVENTOR WHO WOULD NOT QUALIFY AS AN INDEPENDENT INVENTOR UNDER 37 CFR 1.9(C) IF THAT PERSON MADE THE INVENTION, OR BY ANY CONCERN WHICH WOULD NOT QUALIFY AS A SMALL BUSINESS CONCERN UNDER 37 CFR 1.9(D) OR A NONPROFIT ORGANIZATION UNDER 37 CFR 1.9(E).

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Name/Title Of Person Signing: David L. Bernstein, Vice-President, Chief Patent Counsel, ARIAD Gene Therapeutics, Inc.

Address Of Person Signing: 26 Landsdowne Street, Cambridge, MA 02139

Signature David L. Bernstein Date 11/8/99

ASSIGNMENT

I, Stuart L. Schreiber of Boston, MA, in consideration of one dollar and other valuable consideration paid to me by the President and Fellows of Harvard College, a corporation of the state of Massachusetts, having its principal place of business at 17 Quincy Street, Cambridge, MA 02138, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

President and Fellows of Harvard College

Its successors and assigns, the entire interest for the United States of America and all foreign countries, including all rights of priority under the international convention for the protection of industrial property in a certain invention or improvement in

Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events

Described in patent application serial no. 09/430,508 filed on 29 October 1999 in the United States Patent and Trademark Office, and in all letters patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of letters patent in the united states and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such letters patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

Witness my hand this 4 day of JANUARY, 1999. 2000

By: 
Stuart L. Schreiber

Then personally appeared the above named Stuart L. Schreiber and acknowledged the foregoing instrument to be his free act and deed, before me, this 4 day of JANUARY, 1999. 2000


Witness signature

GEORGE LAMPROS
Witness name (please print)

Not a Commissioner: Expires May 1, 2001

ASSIGNMENT

I, Gerald L. Crabtree of Woodside, California, in consideration of one dollar and other valuable consideration paid to me by the Board of Trustees of the Leland Stanford Junior University, a corporation of the state of California, having its principal place of business at Stanford University, Stanford, California 94305, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Board of Trustees of the Leland Stanford Junior University

Its successors and assigns, the entire interest for the United States of America and all foreign countries, including all rights of priority under the international convention for the protection of industrial property in a certain invention or improvement in

Methods and Materials Involving Dimerization-Mediated Regulation of Biological Events

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And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such letters patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

Witness my hand this 16th day of Dec., 1999.

By:

Gerald Crabtree
Gerald Crabtree

Then personally appeared the above named Gerald Crabtree and acknowledged the foregoing instrument to be his free act and deed, before me, this 16 day of December, 1999.

Jean Oberlindacher
Witness signature

Jean Oberlindacher
Witness name (please print)



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 13, 2000

PTAS

ARIAD PHARMACEUTICALS, INC.
DAVID L. BERSTEIN, ESQ.
26 LANDSDOWNE STREET
CAMBRIDGE, MA 02139



101325282A

JUN 23 11 11 AM '00

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/20/2000

REEL/FRAME: 010691/0402
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SCHREIBER, STUART L.

DOC DATE: 01/04/2000

ASSIGNEE:
HARVARD COLLEGE, PRESIDENT AND
FELLOWS OF
17 QUINCY STREET
CAMBRIDGE, MASSACHUSETTS 02138

SERIAL NUMBER: 09430508
PATENT NUMBER:

FILING DATE: 10/29/1999
ISSUE DATE:

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

3.20.00

04-18-2000

Form PTO 1595

US Dept. of Commerce
Patent and Trademark Office

RECORDAT



331D US

101325282
PATENTS ONLY

To the Hon. Commissioner of Patents & Trademarks: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

Stuart L SCHREIBER

2. Name and address of receiving party(ies):

Name: President and Fellows of Harvard College.Street Address: 17 Quincy StreetCity: Cambridge State: MA Zip: 02138Additional name(s) of conveying parties attached? ☐ Yes ☒ NoAdditional names attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: January 4, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date is: _____

A. Patent Application No.(s) 09/430,508

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David L. Bernstein, Esq.

Address:

ARIAD Pharmaceuticals, Inc.26 Landsdowne StreetCambridge, MA 021396. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Authorized to be charged to Deposit Account No. 01-23158. Deposit Account Number: 01-2315
(duplicate copy attached -- paying by deposit account)

04/18/2000 JSHABAZZ 00000020 012315 09430508

01 FC:581

(40.00 CH

Do not use this space

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David L. BernsteinDavid L. Bernstein
Vice President, Chief Patent Counsel
ARIAD Pharmaceuticals, Inc.

Date

3/17/2000

Total number of pages including cover sheet, attachments and documents:

3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks
Box Assignment
Washington, DC 20231